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Central Intelligence Agency
Directorate of Intelligence
Office of Imagery Analysis

OIA/MSD-164/84
23 October 1984 25X1

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MEMORANDUM FOR: Recipients of IA 84-10072

SUBJECT: Correction to IA 84-10072, Additional Missile and Space Related Support Programs Identified at Zagorsk, USSR (S)

Replace attached page 7 for old page 7. Some areas were shaded on old page that should not have been.

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The test facility consists primarily of an unusually configured, sloped-wall enclosure containing an open basin (figure 7). The enclosure, basically a shell surrounding the area above the basin and 15 meters high. The upper 10 meters of the walls slope inward at a 45 degree angle, and along at least the eastern side of the structure an internal wall slopes approximately 45 degrees inward from the 5-meter level to the ground level. Angled supports for the internal wall were seen along this side of the enclosure during construction. Although we believe similar walls are on the other sides of the enclosure, the sides were not observed at a stage of construction which would have revealed their existence. (S

The basin in the enclosure is 18 meters long, 12 meters wide, and 7 meters deep. The basin's walls are 2 meters thick, and were built by erecting two parallel rows of prefabricated concrete panels and filling the area between the panels with some sort of loose material. A removable, three-section cover protects material in the basin against the environment. The traveling crane adjacent to the enclosure is used to remove and replace the cover sections. (S

The service tower, which can be moved into and out of the test site enclosure on rails, is a steel framework structure about 44 meters high (figure 7). The lower of the two sections is 15 meters square and 20 meters high. At the 14-meter level of this section is a floor with an approximately 3-meter-square opening in its center. When the tower is positioned over the basin, this floor acts as a kind of roof for the enclosure, and together with the sloped walls almost completely covers the area above the basin. (S

The upper section of the service tower is 30 meters high and 6 meters square. This section extends down 6 meters into the center of the lower section, resulting in a height of 44 meters. The upper portion has what may be launch or guide rails attached to two of its sides. The rails probably guide a test device as it is dropped or propelled into the basin (figure 8). (S

The test preparation building is 33 meters long, 30 meters wide, and two stories high. The western half of the building is an open bay section probably used for work on the test devices. The eastern half of the building consists of two floors of small rooms that provide administrative and workshop spaces. The control building is 50 meters long, 18 meters wide, and one story high. Site operations during testing are probably directed from this building. The 20-meter-long by 12-meter-wide L-shaped drainage basin is divided into small cells. This buried basin serves as a temporary retention basin for water runoff emanating from the test facility area. Drainage pipes buried throughout the area during construction connect into the basin. Steamlines serve the site enclosure, control building and the test preparations building. An unidentified pipeline also leads to the test site enclosure (figure 6). (S

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Test Activity

Activity that could be testing, facility checkout, or both, was first noted in early 1982 at the impact test facility. In March of that year a probable telescoping arm, which may be an extension of the upper section of the service tower's launch or guide rails, protruded from the tower's center to an object on the concrete apron adjacent to the enclosure (figure 8). The fixture—seen on later, better quality imagery—probably holds a test device for final checkout and attachment to the arm before a test occurs within the enclosure. The fixture is an open, thick-walled cylinder approximately 2 meters high, with an outside diameter of about 3 meters and an inside diameter of about 1 meter; it stands upright on four feet. (S

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